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| Substitute for form 1449/PTO<br>(Revised 04/2003) |   |    |   | Complete if Known                    |
|   |   |    |   | Application Number 10/690,462        |
|   |   |    |   | Filing Date October 21, 2003         |
|   |   |    |   | First Named Inventor Snyder          |
|   |   |    |   | Group Art Unit 1614                  |
|   |   |    |   | Examiner Name (not yet assigned)     |
| Sheet   | 1 | of | 3 | Attorney Docket Number 007157/270549 |

| U. S. PATENT DOCUMENTS |          |  |                                |  |   |
|------------------------|----------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. | Document Number<br>Number - Kind Code (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages of Relevant Figures<br>Appear |
| W                      | 1        | US-3,114,775                                     | 12-17-1963                     | Hughes <i>et al.</i>                               |   |
| W                      | 2        | US-3,911,129                                     | 10-07-1975                     | Krapcho <i>et al.</i>                              |   |
| W                      | 3        | US-4,127,667                                     | 11-28-1978                     | Rovnyak  |   |
| W                      | 4        | US-4,415,621                                     | 11-15-1983                     | Specht <i>et al.</i>                               |   |
| M                      | 5        | US-4,755,450                                     | 07-05-1988                     | Sanders <i>et al.</i>                              |   |
| W                      | 6        | US-4,987,057                                     | 01-22-1991                     | Kaji <i>et al.</i>                                 |   |
| W                      | 7        | US-5,700,804                                     | 12-23-1997                     | Collins <i>et al.</i>                              |   |
| W                      | 8        | US-5,811,218                                     | 09-22-1998                     | Kaji <i>et al.</i>                                 |   |
| W                      | 9        | US-5,852,018                                     | 12-22-1998                     | Bryans <i>et al.</i>                               |   |
| W                      | 10       | US-6,022,597                                     | 02-08-2000                     | Yan <i>et al.</i>                                  |   |
| W                      | 11       | US-2002/0006966 A1                               | 01-17-2002                     | Arbiser  |   |
|                        |          |  |                                |  |   |
|                        |          |  |                                |  |   |
|                        |          |  |                                |  |   |

| FOREIGN PATENT DOCUMENTS |          |  |                                |   |  |
|--------------------------|----------|--|--------------------------------|---|--|
| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code - Number Kind Code<br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document                   | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
| W                        | 12       | JP - 03/44643  | 02-26-1991                     | Hioki <i>et al.</i>   |  |
| W                        | 13       | WO - 01/46110  | 06-28-2001                     | The University of<br>Georgia Research<br>Foundation, Inc. <i>et al.</i> |  |
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| Examiner Signature | V. Balasubramanian | Date Considered | 2/19/05 |
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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**OTHER DOCUMENTS**

| Examiner Initials<br>Cite No. | Document Number | Reference Description  | English Language Translation Attached |
|-------------------------------|-----------------|--|---------------------------------------|
| M                             | 14              | ARTICO, <i>et al.</i> , "Geometrically and Conformationally Restrained Cinnamoyl Compounds as Inhibitors of HIV-1 Integrase: Synthesis, Biological Evaluation, and Molecular Modeling," <i>J. Med. Chem.</i> , 1998, pp. 3948-3960, Vol. 41, No. 21.   |                                       |
| M                             | 15              | CREMLYN <i>et al.</i> , "The Synthesis and Chlorosulfonation of Some Diarylidene and Heteroarylidene Ketones with Varying Alicyclic Ring Size", <i>Phosphorus, Sulfur, and Silicon</i> , 1995, pp. 205-217, Vol. 107.  |                                       |
| M                             | 16              | DINKOVA-KOSTOVA, <i>et al.</i> , "Chemoprotective Properties of Phenylpropenoids, Bis(benzylidene)cycloalkanones, and Related Michael Reaction Acceptors: Correlation of Potencies as Phase 2 Enzyme Inducers and Radical Scavengers," <i>J. Med. Chem.</i> , 1998, pp.5287-5296, Vol. 41, No. 26. |                                       |
| M                             | 17              | EL-SUBBAGH, <i>et al.</i> , "Synthesis and Biological Evaluation of Certain $\alpha,\beta$ -Unsaturated Ketones and Their Corresponding Fused Pyridines as Antiviral and Cytotoxic Agents," <i>J. Med. Chem.</i> , 2000, pp.2915-2921, Vol. 43, No. 15.  |                                       |
| M                             | 18              | FUJISAKI, <i>et al.</i> , JP 62225562, 1988 (CA 108:77360).  |                                       |
| M                             | 19              | GUTKOWSKA, <i>et al.</i> , <i>Acta Poloniae Pharmaceutica</i> , 1985, pp. 437-441, Vol. 42, No. 5 (CA 107:115819).   |                                       |
| M                             | 20              | GUTKOWSKA, <i>et al.</i> , <i>Acta Poloniae Pharmaceutica</i> , 1989, pp. 212-218, Vol. 46, No. 3 (CA 112:216649).   |                                       |
| M                             | 21              | HAMMAM, <i>et al.</i> , "Synthesis and Anti-Cancer Activity of Pyridine and Thiazolopyrimidine Derivatives Using 1-Ethylpiperidone as a Synthon," <i>Indian J. Chem.</i> , 2001, pp. 213-221, Vol. 40B.  |                                       |
| M                             | 22              | KEJNAN, <i>et al.</i> , <i>J. Org. Chem.</i> , 1983, pp. 5302-5309, Vol. 48, No. 26.   |                                       |
| M                             | 23              | LI, <i>et al.</i> , "Samarium (III) Iodide Promoted Preparation of $\alpha,\alpha'$ - bis(substituted benzylidene) cyclohexanones from Benzaldehydes and Cyclohexanone," <i>J. Chem. Research (S)</i> , 2000, pp. 580-581.   |                                       |
| M                             | 24              | MAHFOUZ, <i>et al.</i> , "Synthese mehrfach oxigenierter 2-Hydroxyxanthone," <i>Arch. Pharm. (Weinheim)</i> , 1990, pp. 163-169, Vol. 323.   |                                       |
| M                             | 25              | NAKANO, <i>et al.</i> , "A Convenient Synthesis of $\alpha,\alpha'$ - Bis(substitutedbenzylidene)cycloalkanones," <i>Chemistry Letters</i> , 1993, pp. 2157-2158.  |                                       |

Examiner  
Signature

V. Baluswamani

Date  
Considered

2/19/05

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## OTHER DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                                | English Language Translation Attached |
|-------------------|----------|--|---------------------------------------|
| M                 | 26       | OJIMA, et al., <i>Bull. Chem. Soc. Jpn.</i> , 1977, pp. 1522-1526, Vol. 50, No. 6 (CA 87:20055).   |                                       |
| M                 | 27       | PIVNENKO, et al., <i>Zh. Org. Khim.</i> , 1972, pp. 1096-1102, Vol. 42, No. 5 (CA 84:513251).  |                                       |
| M                 | 28       | PIVNENKO, et al., <i>Zh. Org. Khim.</i> , 1975, pp. 2527-2533, Vol. 11, No. 12 (CA 84:73234).  |                                       |
| M                 | 29       | SHOPPEE, et al., <i>J. Chem. Soc. Perkin Trans I</i> , 1977, pp. 1028-1030, Vol. 9 (CA 87:102029).   |                                       |
| M                 | 30       | SUN, et al., "Design, Synthesis, and Evaluations of Substituted 3-[(3- or 4-Carboxyethyl)pyrrol-2-yl)methylidienyl]indolin-2-ones as Inhibitors of VEGF, FGF, and PDGF Receptor Tyrosine Kinases," <i>J. Med. Chem.</i> , 1999, pp. 5120-5130, Vol. 42, No. 25.                                |                                       |
| M                 | 31       | SUN, et al., "Identification of Substituted 3-[(4,5,6,7-Tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-ones as Growth Factor Receptor Inhibitors for VEGF-R2 (Flk-1/KDR), FGF-R1, and PDGF-R $\beta$ Tyrosine Kinases," <i>J. Med. Chem.</i> , 2000, pp. 2655-2663, Vol. 43, No. 14.   |                                       |
| M                 | 32       | SUN, et al., "Synthesis and Biological Evaluations of 3-Substituted Indolin-2-ones: A Novel Class of Tyrosine Kinase Inhibitors That Exhibit Selectivity toward Particular Receptor Tyrosine Kinases," <i>J. Med. Chem.</i> , 1998, pp. 2588-2603, Vol. 41, No. 14.                            |                                       |
| M                 | 33       | TEUSCHER, "Potentiell antiangiogene Substanzen aus der Gruppe der $\alpha$ , $\alpha'$ -Bis(amidinobenzyl)cycloalkanon-Derivate und $\alpha$ -(Arylsulfonylamino)- $\omega$ -phenylcarbonsäure-4-amidinoanilide," <i>Pharmazie</i> , 1987, pp. 109-110, Vol. 42, H.2.                          |                                       |
| M                 | 34       | THALOOR, et al., "Inhibition of Angiogenic Differentiation of Human Umbilical Vein Endothelial Cells by Curcumin," <i>Cell Growth &amp; Differentiation</i> , 1998, pp. 305-312, Vol. 9.   |                                       |
| M                 | 35       | VIETH, et al., "DoMCoSAR: A Novel Approach for Establishing the Docking Mode That Is Consistent with the Structure-Activity Relationship. Application to HIV-1 Protease Inhibitors and VEGF Receptor Tyrosine Kinase Inhibitors," <i>J. Med. Chem.</i> , 2000, pp. 3020-3032, Vol. 43, No. 16. |                                       |
| M                 | 36       | WIEMER et al., "Vidalols A and B, New Anti-Inflammatory Bromophenols from the Caribbean Marine Red Alga <i>Vidalia obtusaloba</i> ," <i>Experientia</i> , 1991, pp. 851-853, Vol. 47.  |                                       |
| U                 | 37       | ZHENG, et al., <i>Zhongguo Yiyao Gonye Zazhi</i> , 1997, p. 230231, Vol. 28, No. 5 (CA 115:102878).  |                                       |

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